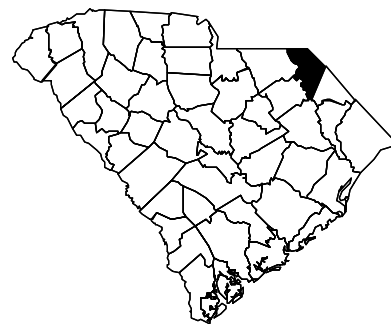


# ASTHMA IN MARLBORO COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

May 2003

## Impact of Asthma in the United States

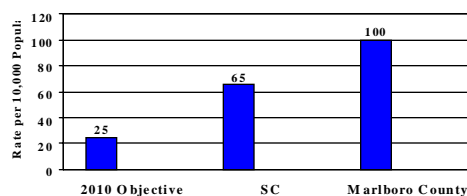
- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

- In 2001, there were 30 asthma hospitalizations of children (<18 years) in Marlboro county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Marlboro county had a rate of 100 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

## Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Marlboro County, 2001



Data Source: Office of Research & Statistics

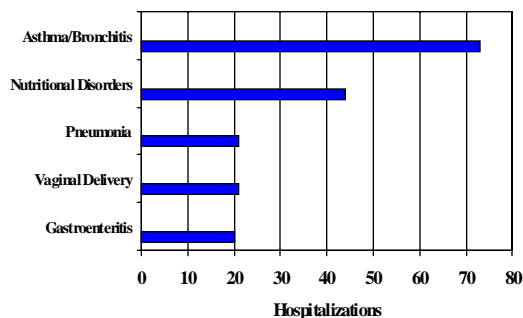
## Impact of Asthma in Marlboro County

- About 1,805 (6.3%) adults in Marlboro county suffer annually from asthma.
- In 2001, there were 60 hospitalizations for asthma in Marlboro county for all ages.

## Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Marlboro county for children under the age of 18.

Leading Causes of Hospitalization in Children Aged 0-18, Marlboro County, 2001

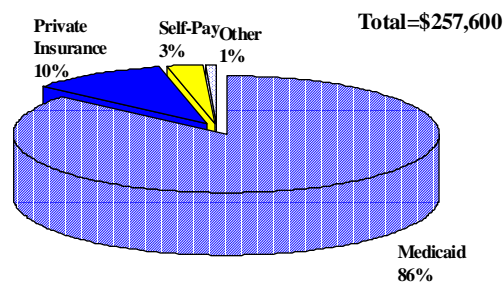


Data Source: Office of Research & Statistics

## Cost of Asthma

- \$257,600 was charged in 2001 for hospital and ER visits in Marlboro county for asthmatic children (<18 years).
- Medicaid covered over 86% of these charges.

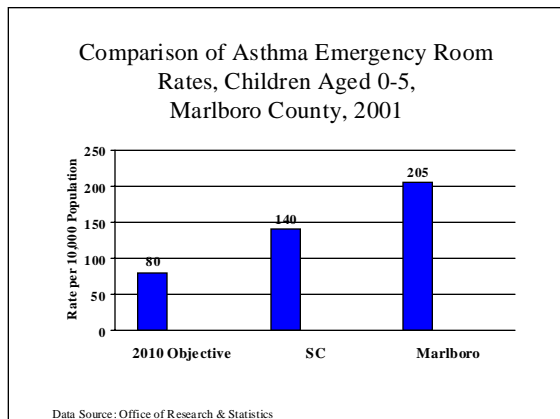
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Marlboro County, 2001



Data Source: Office of Research & Statistics

## Emergency Room

- 100 children under the age of 18 visited the ER due to asthma in Marlboro county in 2001. This represents 40% of all ER visits due to asthma.
- \$51,660 was charged for ER visits in Marlboro county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Marlboro county had an ER rate of 205 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

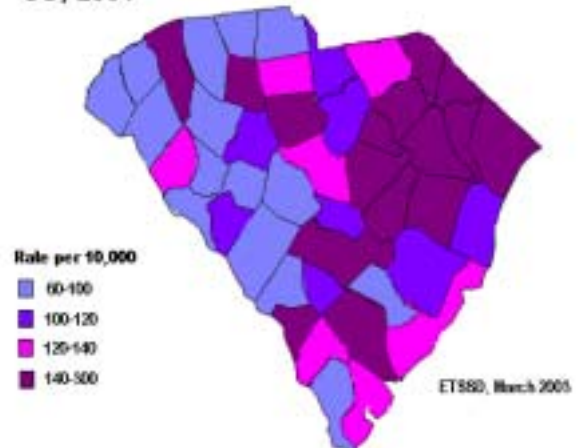


## Disparities

- Non-white children under the age of 18 visit ER more frequently than white children in the same age group.
- The hospitalization rate among non-white children is the same as often as white children.

Hospital and Emergency Room Rates per 10,000 Children (<18 years), 2001				
	Marlboro County		South Carolina	
	White	Non-white	White	Non-white
Hospital	32.6	47.0	19.2	41.5
ER	83.3	173.2	46.0	155.5

Asthma Related Hospital and ER Visits  
Rate for Children Younger than 18  
SC, 2001



### For more information on asthma contact:

SC DHEC Data Sources:

#### Behavior Risk Factor Surveillance System

Bureau of Epidemiology

(803) 545-4920

#### Vital Records

Division of Biostatistics

(803) 898-3649

#### Bureau of Air Quality

Outreach Section

(803) 898-4467

[www.scdhec.net](http://www.scdhec.net)

Generated By:

Epi Technical Support and Services Division  
Bureau of Epidemiology

### Hospital discharges and ER visits, contact:

Office of Research and Statistics

SC Budget and Control Board

1919 Blanding Street

Columbia, SC 29201

(803) 898-9958

[www.orss.state.sc.us/hd/](http://www.orss.state.sc.us/hd/)

